

Serial No.: 09/739,714
Art Unit: 2127
Amendment dated June 15, 2004
Reply to Office Action March 16, 2004

Amendments to the Specification:

Please replace the paragraph beginning on page 1, line 18, with the following paragraph:

Digital channels in a communications system are typically processed for a number of purposes. For example, a voice channel in a digital communications system may require processing for echo cancelling, dual tone multi-frequency (DTMF) decoding, and audio decoding. Digital signal processors (DSPs) are used to accomplish such processing. A DSP may store software algorithms enabling it to perform one or more channel processing tasks. This optimises the DSP to perform these channel processing tasks. (The term "optimise" is a common spelling variant of the term "optimize" with identical meaning.) Further, a DSP may be able to simultaneously handle processing for several channels. To cope with an ever increasing number of processing tasks and an ever increasing number of channels to be processed, many DSP chips now include multiple DSP processing centers, known in the art as DSP cores, co-ordinated by a host processor.